

Listing of Claims

1. -45. (Canceled)

46. (Currently Amended) A method of identifying a compound that decreases binding of an HIV protein to a host protein and decreases HIV infection, comprising:

contacting the host protein with the HIV protein and a test compound, wherein the host protein is a protein encoded by a Rab9 target sequence that comprises SEQ ID NO: 118 or SEQ ID NO: 119 or hybridizes under high stringency conditions to a Rab9 target sequence comprising SEQ ID NO: 118 or SEQ ID NO: 119, wherein the high stringency conditions comprise hybridization at 42 °C with a hybridization solution comprising 5X SSC and a wash with a wash solution comprising 2X SSC at 65 °C; and

determining whether binding of the HIV protein to the host protein is decreased in the presence of the test compound, the decrease in binding being an indication that the test compound decreases the binding of the HIV protein to the target protein, and decreases HIV infection.

47. – 71. (Canceled)

72. (Previously Presented) The method of claim 46, wherein the method comprises expressing the host protein in a cell, and contacting the host protein with the HIV protein and a test compound comprises exposing the cell to the HIV protein and the test compound.

73. (Previously Presented) The method of claim 46, wherein the host protein or the HIV protein comprises a label, and determining whether binding is decreased comprises detecting an amount of label present.

74. – 76. (Canceled)